

Application No: 10/556,122
Amendment B
Reply to Office Action Dated 12/11/2007.

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Attorney Docket No: 3926.215

IN THE CLAIMS:

The following listing of claims replaces any earlier listing:

1. (currently amended) A brake disk (2) with at least one friction ring (4) which is connected to a brake disk hub (6) by means of a joining arrangement (12) in which the friction ring (4) and the brake disk hub (6) each feature a concentric ring land (8, 10) and the ring lands (8, 10) of the friction ring (4) and the brake disk hub (6) overlap, wherein elements of the joining arrangement (12) pass through recesses (14, 16) in the ring lands (8, 10), said brake disk further comprising

a support ring (18) such that the ring land (8) of the friction ring (4) is located between the support ring (18) and the ring land (10) of the brake disk hub (6), wherein the ring lands (8, 10) are connected by means of connecting pins (20) which are fixed in recesses (22) of the support ring (18), and wherein the ring land (8) of the friction ring (4) exhibits slots (34) in a circumferential radial direction, which are arranged circumferentially around the ring land (8) and which run from an inside of the ring land (8) into the friction ring (4), point radially outwards and feature an end bore (36) on their outer end, which runs partially through the ring land (8) and through the friction ring (4).

wherein the friction ring (4) is thicker than the ring land (8), wherein a step is formed at a location where the ring land (8) is connected to the friction ring (4), and wherein the end bore (36) runs through the step.

2. (previously presented) The brake disk according to claim 1, wherein the connecting pins (20) are engaged into the recesses (22) in the support ring (18).
3. (previously presented) The brake disk according to claim 1, wherein

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the connecting pins (20) feature a thread (26) on one side of the brake disk hub (6) and are fastened with a nut (24).

4. (previously presented) The brake disk according to claim 1, wherein the connecting pins (20) are screwed into the support ring (18).
5. (previously presented) The brake disk according to claim 1, wherein the recesses (16) in the ring land (10) of the brake disk hub (6) are open radially outwards.
6. (previously presented) The brake disk according to claim 1, wherein the friction ring (4) consists of a fiber reinforced ceramic on the basis of silicon carbide.